3.1 Job Posting for Researcher at **TSP**.

AI & ROBOTICS ESTONIA

Tartu Science Park

Eligible sending organisations

AUTH, JSI, ULUS

Role title

Researcher in Artificial Intelligence Applications

Environment

During your funded secondment at the Tartu Science Park Artificial Intelligence team, you'll connect with companies, gain insights applicable to your research and collaborate within a dynamic ecosystem to develop and deliver new solutions with real-world impact.

The science park focuses on developing science- and technology-intensive businesses in five key areas (the secondee can choose the specific area of interest):

- Space technology
- Unmanned aviation
- Health and biotechnology
- Green technology
- Defence

To increase the digital capacity of Estonian companies, the TSP AI team provides expert AI assessments, develops prototypes, and guides SMEs through AI adoption. TSP works with companies across industries, from industry to deep tech start-ups, using different technologies (computer vision, LLMs, etc.).

We are looking for a researcher who would work in one of those fields with us on a real hands-on project.

What you will work on

Depending on the specific interests of the researcher and the specific projects running at TSP (to be discussed during the interview), the secondee will work on some of the following activities and technologies:

- How to turn ideas into businesses

- What the company's processes are
- How to improve existing business processes (for example, quality control, production planning, etc.) with Artificial Intelligence solutions
- Industrial robot and AI integration
- Multi-camera synchronization
- Quality control system development
- LLM based solutions (using agents, tools, MCP servers etc)
- How knowledge transfer is happening to test, experiment or validate the technological solution
- Test and validate technology, methodology, or prototype (we'll teach you how!)

What you will gain ●

- Experience in applied **AI usage in real business environments**. The secondee will be involved in different phases of the work with an SME, including analysis, development, and application within the company. You will get all the mentoring you need to develop and train deep learning models.
- Depending on a secondee's interests, we can also agree to publish a scientific article on a project.
- **Hands-on experience** supporting innovation activities, including communicating research results and connecting them to the real-world business environment while addressing technical and market challenges.
- **Practical exposure to technology transfer and valorisation** (e.g., identifying exploitable results, shaping valorisation pathways, basic TRL/CRL thinking).
- A practical view of **venture creation** fundamentals (from idea to value proposition and market fit).
- **Stronger skills** in cross-sector collaboration (academia–industry matchmaking, stakeholder engagement, and understanding the funding landscape).
- Be part of the organisation of the sTARTUPDay 2027 **business festival on 17-19th of Aug 2027** as a TSP team member.
- Trainings and bootcamps organised by TSP for start-ups.

Desired profile

- This is a technical role. We expect the secondee to have skills in programming. We are mostly working with Python. The person will work with our AI team and partner companies.
- You'd like to gain experience in developing a real AI application.
- Ability to collaborate with cross-functional teams.

Duration & Flexibility

3 months between May and November 2027

Can be split into separate stays **of at least 6 weeks each** (e.g. 2 x 6-8 weeks) upon agreement, for example, from the 1st of May until June and then from August until Sept 2027.

July is the typical vacation period in Estonia.